






**DIFFRACTION GRATING WITH REDUCED POLARIZATION SENSITIVITY****Publication number:** JP11513138 (T)**Publication date:** 1999-11-09**Inventor(s):****Applicant(s):****Classification:**

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- European: **G02B5/18D; G02B5/18R; G02B6/124; G02B6/34B4**

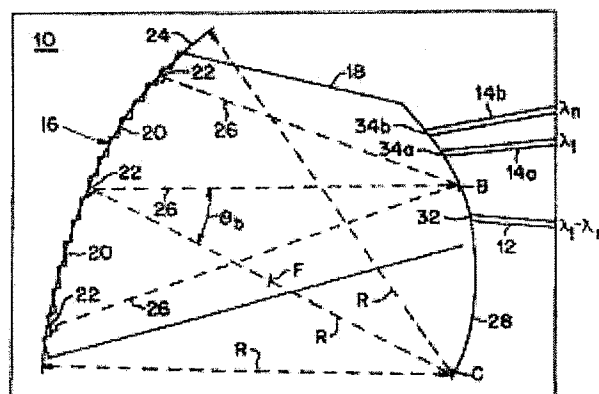
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Abstract of corresponding document: **WO 9800751 (A1)**

A multiplexer/demultiplexer (10) for routing different wavelength signals between a common pathway (12) for conveying a plurality of the signals, and individual pathways (14a-14b) for separately conveying the signals, includes a reflective diffraction grating (16) with reduced polarization sensitivity for dispersing the signals. The grating (16) includes facets (20) that are oriented for reducing efficiency variations within a transmission bandwidth and that are shaped for reducing differences between the diffraction efficiencies in two orthogonal directions of polarization.

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